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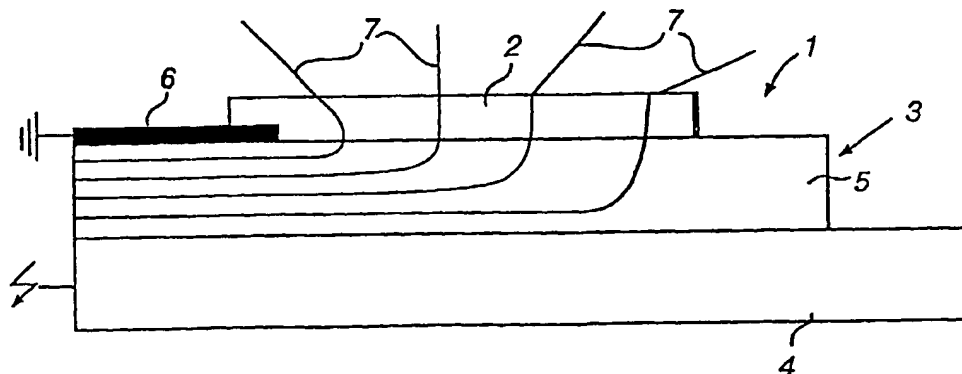
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(54) Title: FIELD GRADING MATERIAL



(57) Abstract: The present invention relates to a field grading material consisting of a polymeric matrix provided with a filler. The filler comprises a field grading effective amount of particles having at least one dimension smaller than or equal to 100 nm. The invention also relates to a device comprising such a field grading material for grading an electric field in high-voltage applications and a method for grading an electric field at a joint or termination of an electric power cable using such a field grading material.

WO 2004/038735 A1



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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol.199, no. 810 31 August 1998 (1998-08-31) & JP 10 116702 A (FURUKAWA ELECTRIC CO LTD) 06 May 1998 (1998-05-06) abstract see section 0002-0003-0006-0009 --	1-2,5,8-13
A	US 2002070428 A1 (BERNHOF ET AL), 13 June 2002 (13.06.02), see section 0008-0023,0037-0038 --	1-13

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>Solid Dielectrics, 2001. ISCD '01. Proceedings IEEE 7th International Conference on pages 43-45, Onneby C. et al, "Electrical properties of field grading materials influence silicon carbide grain size" ISBN:0-7803-6352-3, see page 43</p> <p>-- -----</p>	1-13

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002070428 A1	13/06/02	NONE	